



April 30, 2026  
L-2026-084  
10 CFR 50.36a

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

Re: Seabrook Station  
Docket No. 50-443  
Renewed Facility Operating License NPF-86

2025 Annual Radioactive Effluent Release Report

Pursuant to 10 CFR 50.36a and Technical Specification 6.8.1.4, NextEra Energy Seabrook, LLC submits the Annual Radioactive Effluent Release Report for 2025. A copy of the Offsite Dose Calculation Manual (ODCM) is not attached, as there were no changes for this annual period.

The following information is provided in the enclosures:

Enclosure 1: Effluent Release data as required by Regulatory Guide 1.21

Enclosure 2: Radiation dose assessment

Enclosure 3: Joint frequency distributions of wind speed, wind direction, and atmospheric stability

Should you have any questions regarding this submission, please contact Maribel Valdez, Fleet Licensing Manager, at 561-904-5164.

Sincerely,

A handwritten signature in black ink, appearing to read "K. Mack".

Kenneth A. Mack  
Director, Licensing and Regulatory Compliance

Enclosure 1, 2 and 3

cc: USNRC Regional Administrator, Region I  
USNRC Project Manager, Seabrook Station Nuclear Plant  
USNRC Senior Resident Inspector, Seabrook Station Nuclear Plant  
USNRC Regional Inspector, Region I, N. Eckhoff  
American Nuclear Insurers, Dylan Freiermuth

**Enclosure 1**

**Effluent Release Data as Required by Regulatory Guide 1.21**



- B. Iodines: Determined by collection on charcoal with subsequent gamma spectroscopy analysis. Total error is based on stack flow error, analytical error, and calculated sampling error.
- C. Particulates: Determined by collection on fixed filter with subsequent gamma spectroscopy analysis. Strontium is determined by composite analysis of filters by liquid scintillation, gross alpha by proportional counter and iron 55 by liquid scintillation. Total error is based on stack flow error, analytical error, and calculated sampling error.
- D. Liquid Effluents: Determined by gamma spectroscopy. A composite sample is analyzed for strontium by liquid scintillation, tritium by liquid scintillation, gross alpha by proportional counter and iron 55 by liquid scintillation. Total error is based on the volume discharge error and analytical error.
- E. ND: None Detected or No Detectable Activity

5. Batch Releases

Provide the following information relating to batch releases of radioactive materials in liquid and gaseous effluents.

A. Liquid

- a. Number of batch releases: 76
- b. Total time for batch releases: 15,221 minutes
- c. Maximum time period for batch release: 476 minutes
- d. Average time period for batch release: 200 minutes
- e. Minimum time period for batch release: 8 minutes
- f. Average stream flow during periods of release of effluents into a flowing stream: 1.70 E+06 liters per minute

B. Gaseous

- a. Number of batch releases: 17
- b. Total time for batch releases: 79,600 minutes
- c. Maximum time period for batch release: 44,640 minutes
- d. Average time period for batch release: 4,682 minutes
- e. Minimum time period for batch release: 3 minutes

6. Abnormal Releases

A. Liquid

- a. Number of releases: 0
- b. Total activity released: N/A

B. Gaseous

- a. Number of releases: 0
- b. Total activity released: N/A

TABLE 1A

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error, %
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**A. Fission and Activation Gases**

1. Total Releases	Ci	1.45E+00	3.02E-03	3.77E-03	4.75E-03	1.70E+01
2. Average Release Rate	μCi/sec	1.86E-01	3.84E-04	4.74E-04	5.97E-04	
3. Percent of Applicable Technical Specification Limit	%	1.48E-02	5.72E-05	3.26E-05	4.72E-05	

**B. Iodines**

1. Total Release	Ci	ND	ND	ND	ND	1.50E+01
2. Average Release Rate	μCi/sec	N/A	N/A	N/A	N/A	
3. Percent of Applicable Technical Specification Limit	%	N/A	N/A	N/A	N/A	

**C. Particulates**

1. Total Release	Ci	2.05E+00	5.02E+00	3.13E+00	1.86E+00	1.80E+01
2. Average Release Rate	μCi/sec	2.64E-01	6.38E-01	3.94E-01	2.34E-01	
3. Percent of Applicable Technical Specification Limit	%	1.92E-01	3.78E-01	1.14E-01	1.47E-01	
4. Total Alpha Radioactivity	Ci	ND	ND	ND	ND	

**D. Tritium**

1. Total Release	Ci	1.43E+01	2.05E+01	5.74E+00	9.81E+00	1.60E+01
2. Average Release Rate	μCi/sec	1.85E+00	2.61E+00	7.23E-01	1.23E+00	
3. Percent of Applicable Technical Specification Limit	%	1.92E-01	3.78E-01	1.14E-01	1.47E-01	

**TABLE 1B**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025**  
**GASEOUS EFFLUENTS-ELEVATED RELEASES**

**BATCH**

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4
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**1. Fission and Activation Gases**

argon-41	Ci	1.45E+00	2.53E-03	3.08E-03	4.40E-03
krypton-85	Ci	ND	ND	ND	ND
krypton-85m	Ci	ND	ND	ND	ND
krypton-87	Ci	ND	ND	ND	ND
krypton-88	Ci	ND	ND	7.17E-05	ND
xenon-131m	Ci	ND	ND	ND	ND
xenon-133	Ci	4.94E-05	ND	ND	ND
xenon-133m	Ci	ND	ND	ND	ND
xenon-135	Ci	2.86E-04	3.30E-04	2.94E-04	3.47E-04
xenon-135m	Ci	ND	1.66E-04	3.25E-04	ND
xenon-138	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	1.45E+00	3.02E-03	3.77E-03	4.75E-03

**2. Iodines**

iodine-131	Ci	ND	ND	ND	ND
iodine-132	Ci	ND	ND	ND	ND
iodine-133	Ci	ND	ND	ND	ND
iodine-135	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**3. Particulates**

strontium-89	Ci	ND	ND	ND	ND
strontium-90	Ci	ND	ND	ND	ND
cesium-134	Ci	ND	ND	ND	ND
cesium-137	Ci	ND	ND	ND	ND
barium-lanthanum-140	Ci	ND	ND	ND	ND
cobalt-58	Ci	ND	ND	ND	ND
cobalt-60	Ci	ND	ND	ND	ND
chromium-51	Ci	ND	ND	ND	ND
manganese-54	Ci	ND	ND	ND	ND
niobium-95	Ci	ND	ND	ND	ND
iron-59	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**TABLE 1B**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025**  
**GASEOUS EFFLUENTS-ELEVATED RELEASES**  
**CONTINUOUS**

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4
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**1. Fission and Activation Gases**

argon-41	Ci	ND	ND	ND	ND
krypton-85	Ci	ND	ND	ND	ND
krypton-85m	Ci	ND	ND	ND	ND
krypton-87	Ci	ND	ND	ND	ND
krypton-88	Ci	ND	ND	ND	ND
xenon-131m	Ci	ND	ND	ND	ND
xenon-133	Ci	ND	ND	ND	ND
xenon-133m	Ci	ND	ND	ND	ND
xenon-135	Ci	ND	ND	ND	ND
xenon-135m	Ci	ND	ND	ND	ND
xenon-138	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**2. Iodines**

iodine-131	Ci	ND	ND	ND	ND
iodine-132	Ci	ND	ND	ND	ND
iodine-133	Ci	ND	ND	ND	ND
iodine-135	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**3. Particulates**

strontium-89	Ci	ND	ND	ND	ND
strontium-90	Ci	ND	ND	ND	ND
cesium-134	Ci	ND	ND	ND	ND
cesium-137	Ci	ND	ND	ND	ND
barium-lanthanum-140	Ci	ND	ND	ND	ND
cobalt-58	Ci	ND	ND	ND	ND
cobalt-60	Ci	ND	ND	ND	ND
chromium-51	Ci	ND	ND	ND	ND
manganese-54	Ci	ND	ND	ND	ND
niobium-95	Ci	ND	ND	ND	ND
iron-59	Ci	ND	ND	ND	ND
carbon-14	Ci	2.05E+00	5.02E+00	3.13E+00	1.86E+00
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	2.05E+00	5.02E+00	3.13E+00	1.86E+00

**TABLE 1C**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025**  
**GASEOUS EFFLUENTS-GROUND LEVEL RELEASES**  
**BATCH**

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4
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**1. Fission and Activation Gases**

argon-41	Ci	ND	ND	ND	ND
krypton-85	Ci	ND	ND	ND	ND
krypton-85m	Ci	ND	ND	ND	ND
krypton-87	Ci	ND	ND	ND	ND
krypton-88	Ci	ND	ND	ND	ND
xenon-131m	Ci	ND	ND	ND	ND
xenon-133m	Ci	ND	ND	ND	ND
xenon-133	Ci	ND	ND	ND	ND
xenon-135	Ci	ND	ND	ND	ND
xenon-135m	Ci	ND	ND	ND	ND
xenon-138	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**2. Iodines**

iodine-131	Ci	ND	ND	ND	ND
iodine-132	Ci	ND	ND	ND	ND
iodine-133	Ci	ND	ND	8.17E-07	ND
iodine-135	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	8.17E-07	0.00E+00

**3. Particulates**

strontium-89	Ci	ND	ND	ND	ND
strontium-90	Ci	ND	ND	ND	ND
cesium-134	Ci	ND	ND	ND	ND
cesium-136	Ci	ND	ND	ND	ND
cesium-137	Ci	ND	ND	ND	ND
barium-lanthanum-140	Ci	ND	ND	ND	ND
cobalt-57	Ci	ND	ND	ND	ND
cobalt-58	Ci	ND	ND	ND	ND
cobalt-60	Ci	ND	2.24E-05	ND	ND
manganese-54	Ci	ND	ND	ND	ND
iron-59	Ci	ND	ND	ND	ND
niobium/zirconium-95	Ci	ND	ND	ND	ND
chromium-51	Ci	ND	ND	ND	ND
technetium-99m	Ci	ND	ND	ND	ND
bromine-82	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	2.24E-05	0.00E+00	0.00E+00

**TABLE 1C**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025**  
**GASEOUS EFFLUENTS-GROUND LEVEL RELEASES**  
**CONTINUOUS**

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4
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**1. Fission and Activation Gases**

argon-41	Ci	ND	ND	ND	ND
krypton-85	Ci	ND	ND	ND	ND
krypton-85m	Ci	ND	ND	ND	ND
krypton-87	Ci	ND	ND	ND	ND
krypton-88	Ci	ND	ND	ND	ND
xenon-131m	Ci	ND	ND	ND	ND
xenon-133m	Ci	ND	ND	ND	ND
xenon-133	Ci	ND	ND	ND	ND
xenon-135	Ci	ND	ND	ND	ND
xenon-135m	Ci	ND	ND	ND	ND
xenon-138	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**2. Iodines**

iodine-131	Ci	ND	ND	ND	ND
iodine-132	Ci	ND	ND	ND	ND
iodine-133	Ci	ND	ND	ND	ND
iodine-135	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

**3. Particulates**

strontium-89	Ci	ND	ND	ND	ND
strontium-90	Ci	ND	ND	ND	ND
cesium-134	Ci	ND	ND	ND	ND
cesium-136	Ci	ND	ND	ND	ND
cesium-137	Ci	ND	ND	ND	ND
barium-lanthanum-140	Ci	ND	ND	ND	ND
cobalt-57	Ci	ND	ND	ND	ND
cobalt-58	Ci	ND	ND	ND	ND
cobalt-60	Ci	ND	ND	ND	ND
manganese-54	Ci	ND	ND	ND	ND
iron-59	Ci	ND	ND	ND	ND
niobium/zirconium-95	Ci	ND	ND	ND	ND
chromium-51	Ci	ND	ND	ND	ND
technetium-99m	Ci	ND	ND	ND	ND
bromine-82	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
Total for period	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TABLE 2A

EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Est. Total Error, %
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**A. Fission and Activation Products**

1. Total Releases	Ci	9.81E-03	3.16E-03	3.94E-03	1.64E-03	7.00E+00
2. Average Diluted Concentration	µCi/mL	4.58E-11	1.45E-11	1.72E-11	6.63E-12	
3. Percent of Applicable Technical Specification Limit	%	7.92E-03	2.14E-03	4.09E-03	4.67E-03	

**B. Tritium**

1. Total Release	Ci	1.83E+02	1.66E+01	3.21E+01	1.58E+02	9.00E+00
2. Average Diluted Concentration	µCi/mL	8.54E-07	7.61E-08	1.40E-07	6.38E-07	
3. Percent of Applicable Technical Specification Limit	%	7.49E-03	1.92E-03	4.01E-03	2.28E-03	

**C. Dissolved and entrained gases**

1. Total Release	Ci	ND	ND	ND	ND	1.90E+01
2. Average Diluted Concentration	µCi/mL	N/A	N/A	N/A	N/A	
3. Percent of Applicable Technical Specification Limit	%	N/A	N/A	N/A	N/A	

**D. Gross alpha radioactivity**

1. Total Release	Ci	ND	ND	ND	ND	1.00E+01
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<b>E. Volume of Waste Released (prior to dilution)</b>	Liters	2.98E+07	1.66E+07	1.59E+07	1.55E+07	1.30E+00
<b>F. Volume of Dilution Water Used</b>	Liters	2.14E+11	2.18E+11	2.29E+11	2.47E+11	9.00E+00

**TABLE 2B**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025**  
**LIQUID EFFLUENTS**  
**BATCH MODE**

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4
strontium-89	Ci	ND	ND	ND	ND
strontium-90	Ci	ND	ND	ND	ND
cesium-134	Ci	ND	ND	ND	ND
cesium-137	Ci	ND	1.88E-05	ND	ND
iodine-131	Ci	ND	ND	ND	ND
iodine-133	Ci	ND	ND	ND	ND
cobalt-57	Ci	7.16E-06	2.28E-05	2.71E-05	1.26E-05
cobalt-58	Ci	7.18E-03	1.90E-03	1.88E-03	6.84E-04
cobalt-60	Ci	5.85E-04	2.86E-04	6.26E-04	4.15E-04
chromium-51	Ci	4.78E-04	ND	ND	ND
iron-55	Ci	ND	ND	1.06E-03	ND
iron-59	Ci	9.27E-05	ND	ND	ND
zinc-65	Ci	ND	ND	3.85E-07	ND
manganese-54	Ci	2.98E-05	2.75E-05	2.49E-04	4.02E-04
zirconium-niobium-95	Ci	6.87E-05	ND	ND	ND
zirconium-97	Ci	ND	ND	ND	ND
molybdenum-99	Ci	ND	ND	ND	ND
technetium-99m	Ci	ND	ND	ND	ND
silver-110m	Ci	ND	ND	ND	ND
barium-lanthanum-140	Ci	ND	ND	ND	ND
cerium-141	Ci	ND	ND	ND	ND
antimony-122	Ci	ND	ND	ND	ND
antimony-124	Ci	ND	ND	ND	ND
antimony-125	Ci	1.37E-03	9.05E-04	1.01E-04	1.21E-04
antimony-126	Ci	ND	ND	ND	ND
niobium-97	Ci	ND	ND	ND	ND
tin-117m	Ci	ND	ND	ND	ND
sodium-24	Ci	ND	ND	ND	ND
tellurium-125m	Ci	ND	ND	ND	ND
tellurium-129m	Ci	ND	ND	ND	ND
tellurium-132	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
<b>Total for period(above)</b>	Ci	9.81E-03	3.16E-03	3.94E-03	1.64E-03

**TABLE 2B**  
**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025**  
**LIQUID EFFLUENTS**  
**CONTINUOUS MODE**

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4
strontium-89	Ci	ND	ND	ND	ND
strontium-90	Ci	ND	ND	ND	ND
cesium-134	Ci	ND	ND	ND	ND
cesium-137	Ci	ND	ND	ND	ND
iodine-131	Ci	ND	ND	ND	ND
iodine-133	Ci	ND	ND	ND	ND
cobalt-57	Ci	ND	ND	ND	ND
cobalt-58	Ci	ND	ND	ND	ND
cobalt-60	Ci	ND	6.27E-07	ND	ND
chromium-51	Ci	ND	ND	ND	ND
iron-55	Ci	ND	ND	ND	ND
iron-59	Ci	ND	ND	ND	ND
zinc-65	Ci	ND	ND	ND	ND
manganese-54	Ci	ND	ND	ND	ND
zirconium-niobium-95	Ci	ND	ND	ND	ND
molybdenum-99	Ci	ND	ND	ND	ND
technetium-99m	Ci	ND	ND	ND	ND
silver-110m	Ci	ND	ND	ND	ND
barium-lanthanum-140	Ci	ND	ND	ND	ND
cerium-141	Ci	ND	ND	ND	ND
antimony-122	Ci	ND	ND	ND	ND
antimony-124	Ci	ND	ND	ND	ND
antimony-125	Ci	ND	ND	ND	ND
antimony-126	Ci	ND	ND	ND	ND
niobium-97	Ci	ND	ND	ND	ND
tin-117m	Ci	ND	ND	ND	ND
sodium-24	Ci	ND	ND	ND	ND
tellurium-129m	Ci	ND	ND	ND	ND
tellurium-132	Ci	ND	ND	ND	ND
unidentified	Ci	ND	ND	ND	ND
<b>Total for period(above)</b>	Ci	0.00E+00	6.27E-07	0.00E+00	0.00E+00

**EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT 2025  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS**

**A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (Not irradiated fuel)**

1. Type of waste	Unit	1 year Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator Bottoms, etc.	m <sup>3</sup> Ci	2.41E+01 6.59E-03	2.50E+01
b. Dry compressible waste, contaminated Equip, etc.	m <sup>3</sup> Ci	2.33E+01 2.93E+00	2.50E+01
c. Irradiated components, control Rods, etc.	m <sup>3</sup> Ci	N/A	N/A
d. Other (describe)	m <sup>3</sup> Ci	N/A	N/A

**2. Estimate of major nuclide composition (by type of waste)**

a.	Ni-63	%	8.07E+01
	Co-60	%	9.37E+00
	H-3	%	8.63E+00
	Ni-59	%	7.30E-01
	Fe-55	%	2.20E-01
	Cs-137	%	1.09E-01
	Mn-54	%	8.16E-02
	C-14	%	6.66E-02
	Sb-125	%	4.60E-02
	Co-57	%	1.36E-02
	Sr-90	%	4.56E-03
	Co-58	%	2.12E-05
b.	Nb-95	%	3.00E+01
	Co-58	%	2.37E+01
	Fe-55	%	1.50E+01
	H-3	%	1.43E+01
	Zr-95	%	1.20E+01
	Co-60	%	1.87E+00
	Ni-63	%	1.46E+00
	Mn-54	%	7.45E-01
	Sn-113	%	3.79E-01
	Sb-125	%	2.75E-01
	Cs-137	%	1.87E-01
c.	N/A	%	N/A
d.	N/A	%	N/A

**3. Solid Waste Disposition**

Number of Shipments	Waste Class	Container Type	Solidification Agent	Mode of Transportation	Destination
4	A	General Design	N/A	Truck	Energy Solutions Oak Ridge, Tenn

**B. IRRADIATED FUEL SHIPMENTS (Disposition)**

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
N/A	N/A	N/A

**C. REVIEW AND APPROVAL**

Prepared By:	<u>Christopher Ellis</u>	Date:	<u>4/11/26</u>
Reviewed By:	<u><i>David A. Coleman</i></u>	Date:	<u>04/13/2026</u>
Approved By:	<u>AP</u>	Date:	<u>04/13/2026</u>

**Enclosure 2**

**Radiation Dose Assessment**

SEABROOK STATION  
RADIOLOGICAL EFFLUENT IMPACT ASSESSMENT FOR 2025  
(Annual Radioactive Effluent Release Report)

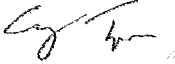
Prepared for

NextEra Energy  
Seabrook, LLC  
P.O. Box 300  
Seabrook, NH 03874

by

Framatome Inc.  
Lynchburg, VA 24506

Framatome Document No. 103-4213-000

Preparer:	<b>PELCZAR Jo-Ann</b> Jo-Ann Pelczar, Framatome Inc. Advisory Scientist	Digitally signed by PELCZAR Jo-Ann Date: 2026.04.16 08:40:13 -04'00'	Date: <u>4/16/26</u>
Reviewer:	<b>MESSIER Theodore</b> Ted Messier, Framatome Inc. Meteorologist	Digitally signed by MESSIER Theodore Date: 2026.04.16 09:09:09 -04'00'	Date: _____
Approver:	 Greg Troyer, Framatome Inc. Supervisor, SCA&D	Digitally signed by TROYER Greg Date: 2026.04.16 14:40:13 -04'00'	Date: _____

Reference: Framatome Calculation 32-9405604-000

**Seabrook Station  
Radiological Effluent Impact Assessment For 2025  
(Annual Radioactive Effluent Release Report)**

I. Summary

Seabrook Technical Specification Sections 6.7.6.g.4 & 9 require that limitations be placed on the quarterly and annual doses or dose commitments to Members of the Public from radioactive materials in liquid and gaseous effluents released from the station to Unrestricted Areas at or beyond the site boundary conforming to the dose objectives of Appendix I to 10 CFR Part 50. Technical Specification 6.7.6.g.8 requires that limitations on the quarterly and annual air doses resulting from noble gases released in gaseous effluents to areas beyond the site boundary also conform to Appendix I to 10 CFR Part 50. In a similar fashion, Technical Specification 6.7.6.g.11 requires limitations on the annual dose or dose commitment to any Member of the Public due to radioactivity and radiation from uranium fuel cycle sources conforming to the EPA Radiation Standards in 40 CFR Part 190. The following table details the above referenced effluent dose limits.

DOSE OBJECTIVE CRITERIA FOR COMPLIANCE

EFFLUENT TYPE	DOSE TYPE	QUARTERLY LIMITS	ANNUAL LIMITS
LIQUIDS (10CFR50, APP. I)	Total Body	1.5 mrem	3 mrem
	Max. Organ	5 mrem	10 mrem
NOBLE GAS (10CFR50, APP. I)	Gamma Air	5 mrad	10 mrad
	Beta Air	10 mrad	20 mrad
GAS PARTICULATE (10CFR50, APP. I)	Max. Organ	7.5 mrem	15 mrem
TOTAL DOSE (40CFR190) [liquids, gas, direct]	Total Body & organ		25 mrem
	Thyroid	---	75 mrem

Technical Specification 6.8.1.4 and the Seabrook Offsite Dose Calculation Manual (ODCM) Part A, Section 10.2, provide that the Station's Annual Radioactive Effluent Release Report include a demonstration of compliance with the above off-site dose limitations, as well as the determination of dose impacts to Members of the Public who may be associated with permitted activities inside the site boundary.

Doses resulting from actual liquid and gaseous effluents from Seabrook Station during 2025 were calculated in accordance with Method II as defined in the Station ODCM. The calculation methods follow the models in Regulatory Guide 1.109 (Reference 1). The assessments included maximum whole body doses and organ doses from all liquid releases, maximum offsite organ doses resulting from airborne Iodine, Tritium, Carbon-14 and particulate radionuclides with half-lives greater than eight days, and maximum offsite beta air and gamma air doses from airborne noble gases. Calculated dose impacts from airborne effluents included atmospheric dispersion estimates utilizing concurrent meteorology recorded by the Station's on-site meteorological tower. In addition, the potential direct dose from fixed radiation

sources from both plant operations and dry fuel storage were evaluated as part of the assessment required under 40 CFR Part 190 for doses from the uranium fuel cycle.

Doses were also calculated for three special receptor locations inside the site boundary where the public might be granted access for recreational or educational purposes. The Science and Nature Center is located in the southwest portion of the site and offers educational opportunities on nuclear power and the environment. The Fitness Center is located in the Hi-Rise office building, approximately 384 meters WSW from the plant vent stack. A third on-site location considered is the Firing Range for security force training (including local law enforcement), which straddles the West site boundary at approximately 974 meters from the plant vent stack. Another location which had been included in the past was the "Rocks" boat launching ramp in an area northeast of the main plant facilities with access to Brown's Creek and the tidal marsh that borders the site. This location has been dropped from consideration of public on-site activities due to restricted public access limitation as a result of security and safety concerns and abandonment of the boat launching ramp.

All calculated liquid and gaseous pathway doses for the 2025 reporting period are well below the dose criteria of 10 CFR Part 50, Appendix I, and the dose limits for effluent releases stated in the ODCM. In addition, the total dose to the most limiting Member of the Public due to the combined exposure to plant liquid and gaseous effluents and direct radiation from fixed plant and dry fuel storage sources was below the dose standards of 40 CFR Part 190.

## II. Method for Calculating the Total Body and Maximum Organ Doses Resulting from Liquid Releases

Liquid waste generated during plant operations is processed and discharged to the environment via the station's circulating water cooling system. The cooling system utilizes an offshore-submerged multi-port diffuser discharge for rapid dissipation and mixing of liquid effluents in the ocean environment. A 22-port diffuser section of the discharge system is located in approximately 50 to 60 feet of water with each nozzle 7 to 10 feet above the sea floor. Eleven riser shafts, with two discharge nozzles for each diffuser, are spaced about 100 feet apart over a distance of about 1,000 feet. Water is discharged in a generally eastward direction away from the shoreline through the multiport diffuser, beginning at a location over one mile offshore. During power operations, these high velocity jets passively entrain about ten volumes of fresh water into the near field jet-mixing region before the plume reaches the water surface. This arrangement also effectively prevents the discharge plume (at least to the 1 degree or 40 to 1 dilution isopleth) from impacting the shoreline over the tidal cycle.

During shutdown periods, the high velocity jet mixing created by the normal circulating water flow at the diffuser nozzles is reduced. However, mixing within the discharge tunnel water volume is significantly increased due to the long transit time for batch discharges to travel the three miles from the plant through the 19-foot diameter tunnels to the diffuser nozzles. Additional mixing of the effluent in the near field assures that an equivalent overall 10 to 1 dilution occurs by the time the effluent reaches the ocean surface.

The exposure pathways considered in the calculations of total body and maximum organ doses resulting from liquid discharges from Seabrook Station are limited to ingestion of aquatic foods and exposure to shoreline deposits. The dose calculations do not include the ingestion of potable water or irrigated vegetation as potential exposure pathways because the liquid effluents from the plant are discharged into salt water.

The dose assessment models utilized in the Offsite Dose Calculation Manual (Reference 2) are taken from Regulatory Guide 1.109 (Reference 1). The total body and organ doses are evaluated for each of the four age groups (i.e., infant, child, teen and adult) to determine the maximum total body dose and maximum organ dose via all existing exposure pathways (i.e., fish and aquatic invertebrate ingestion, and shoreline exposure) to an age-dependent individual from all detected radionuclides in plant releases. The values for the various factors considered in the model equations are provided in Regulatory Guide 1.109 and the ODCM (see Table D). The flow rate (F) of the liquid effluent and the radionuclide activities ( $Q_i$ ) are measured specifically prior to each liquid release. The values for half-lives for radionuclides ( $T_{1/2}$ ) and their radioactive decay constants ( $\lambda_i$ ) have been taken from Kocher (Reference 3).

Table A presents the calculated liquid pathway doses for each calendar quarter and total for the year. The calculated annual doses as a percent of the applicable regulatory limits are shown in Table C. The estimated quarterly and annual doses resulting from liquid effluents to members of the public are well below all dose limit criteria.

### III. Method for Calculating the Gamma and Beta Air Doses from Noble Gases

Gamma and beta air doses due to noble gases in gaseous effluents are calculated for several receptor locations when noble gases are recorded in effluents. Those locations include the points in each of the sixteen principle compass directions of estimated highest off-site ground level air concentration of radioactive material, site boundary (or closest point on the opposite shoreline in directions which are bordered by the tidal marsh), nearest resident, nearest vegetable garden, and nearest milk animal within five miles. The special on-site receptor locations (Science and Nature Center, the Fitness Center and the Firing Range) are evaluated for whole body dose to an individual from the noble gas component of effluents predicted to pass nearby.

Atmospheric dispersion factors (i.e., X/Q factors) calculated from recorded concurrent site meteorological data (i.e., meteorological data measurements taken during the time of the release) are used in the estimation of receptor specific air concentrations due to station effluents. The atmospheric dispersion estimations utilize methodology generally consistent with US NRC Regulatory Guide 1.111 (Reference 4). Beta air doses use undepleted X/Qs and assume a semi-infinite plume at the point of exposure. Gamma air doses are calculated using the finite cloud model presented in "Meteorology and Atomic Energy – 1968" (Reference 5). That model is implemented through the definition of an effective gamma atmospheric dispersion factor  $[X/Q']$  (Reference 6) and the replacement of the undepleted X/Q in the infinite cloud dose equation by  $[X/Q']$ .

The release point of effluents is also considered in the atmospheric dispersion calculation. The primary vent stack is treated as a "mixed-mode" release, as defined in Regulatory Guide 1.111 (Reference 4). These effluents are considered to be part-time ground-level / part-time elevated releases, depending on the ratio of primary vent stack exit velocity relative to the speed of prevailing wind. All other release points (e.g., Turbine Building and Chemistry lab hoods) are considered ground-level releases. The beta air and gamma air dose calculations are consistent with the models presented in Regulatory Guide 1.109 (Reference 1). The values for the dose factors,  $DF_i^\gamma$  and  $DF_i^\beta$ , have been taken from Table B-1 in Regulatory Guide 1.109.

Table A presents the calculated maximum off-site gamma air and beta air doses for each calendar quarter and year. The calculated annual doses as a percent of the applicable regulatory limit are shown in Table C. The estimated quarterly and annual air doses resulting from noble gas effluents are well below all dose limit criteria.

#### IV. Method for Calculating the Critical Organ Dose Resulting from Iodines, Tritium, Carbon-14 and Particulates with T 1/2 Greater than 8 Days in Gaseous Releases

Regulatory Guide 1.109 (Reference 1) dose models are applied in the calculation of the critical organ doses from Iodines, Tritium, Carbon-14 and particulate radionuclides released into the atmosphere during the reporting period. Atmospheric dispersion and deposition factors (i.e., depleted X/Q and D/Q factors) calculated with concurrent meteorological data (i.e., meteorological data measurements taken during the time of the release) are used in the determination of gaseous pathway doses. The dispersion models are described in Section B.7.3.2 & B.7.3.3 of the Seabrook ODCM.

Potential exposure pathways associated with gaseous effluent are (i) external irradiation from radioactivity deposited on the ground surface, (ii) inhalation, and (iii) ingestion of vegetables (both fresh leafy and stored) and milk. Dose estimates were determined for the site boundary and for the locations of the nearest resident, vegetable garden, and milk animal in each of the sixteen principle compass directions. The locations of the nearest resident, vegetable garden and milk animal in each sector were identified by the 2025 Annual Land Use Census as required by ODCM Control C.9.2.1 (see Table F). Conservatism in the dose estimates was maintained by assuming that the vegetable garden pathway was active at each milk animal location. Milk animals were assumed to receive their entire intake from pasture during the second and third quarters. This is a conservative assumption because most dairy operations utilize supplemental feeding when animals are on pasture, or actually restrict animals to full time silage feeding throughout the entire year. Table E provides the reference sources for dose model parameter assumptions used in the dose assessment.

In June 2009, the NRC issued Revision 2 of Regulatory Guide 1.21 (Reference 7) which introduced the term "principal radionuclide" in a risk informed or dose context. A radionuclide can be considered a principal radionuclide if it contributes either (1) greater than 1 percent of the 10 CFR Part 50, Appendix I design objective dose for all radionuclides in the type of effluent being considered, or (2) greater than 1 percent of the activity of all radionuclides in the type of effluent being considered. In addition to natural production in the environment, Carbon-14 is also produced in nuclear reactors as a function of power output, but at amounts much less than those generated naturally or from past weapons testing. Since the time of the earlier publication of Regulatory Guide 1.21 (Revision 1) in 1974, commercial nuclear power plants have decreased total radioactive effluents (other than Carbon-14) through improved fuel performance and waste management practices to the point today that Carbon-14 could be considered a principal radionuclide under today's definition and therefore has been included in the assessment of dose to the public from gaseous effluent releases for 2025.

The primary exposure pathways associated with Carbon-14 include inhalation and ingestion of food products that have incorporated Carbon-14 (in the form of CO<sub>2</sub>) via photosynthesis. A full year's consumption of food products are assumed to be grown from the highest impacted garden during the growing season (2<sup>nd</sup> and 3<sup>rd</sup> quarters). It is also assumed that the garden grows sufficient mass to support ingestion throughout the year (i.e., the annual dose to the individual is from consumption during all four quarters).

The maximum organ doses from all radionuclides in this category of gaseous effluents were determined by summing the contributions from all exposure pathways at each location, and sorting in descending order. Doses were calculated for the whole body, GI-LLI, bone, liver, kidney, thyroid, lung, and skin for

adults, teenagers, children, and infants. The estimated quarterly and annual organ doses at the location of the maximally exposed individual are reported in Table A.

The estimated organ doses from Iodines, Tritium, Carbon-14 and Particulates in gaseous effluents are well below the 10 CFR Part 50, Appendix I dose criteria for the reporting period. (See Table C for calculated dose as a percentage of annual limits.)

V. Total Dose (40 CFR Part 190)

40 CFR 190 states that the annual dose equivalent should not exceed 25 mrem to the whole body, 75 mrem to the Thyroid, or 25 mrem to any other organ of any Member of the Public at and beyond the site boundary from all uranium fuel cycle sources. To show compliance with this standard, the maximum doses for both the liquid and gaseous pathways from Seabrook Station are added together with the whole body dose from noble gas releases and any direct radiation component attributed to station fixed sources to the maximum receptor location. This includes the addition of spent fuel storage in a Dry Fuel Storage (DFS) facility that began operations in July 2008 with the first transfer of spent fuel assemblies into storage arrays. A second transfer of spent fuel assemblies to the DFS occurred between August and September, 2013. A third spent fuel transfer campaign was conducted during September and October of 2017. A fourth spent fuel transfer campaign was conducted during August and September of 2022, with an additional eight fuel canisters placed into storage, bringing the total to 30 canisters in storage the beginning of 4<sup>th</sup> quarter 2022. The DFS facility is located on Seabrook Station property approximately 0.38 miles West-Southwest of the Unit 1 Containment Building. Since there are no other uranium fuel cycle facilities within five miles of Seabrook Station, no additional impacts from sources beyond Seabrook Station need be considered.

The sum of the maximum annual whole body doses to Members of the Public from all exposure pathways for liquid and gaseous effluents, plus the direct external dose from plant and dry fuel storage fixed sources, was 1.64E-01 mrem to a hypothetical individual at or beyond the site boundary. The maximum organ dose (including the thyroid) to any age group from all exposure pathways including direct radiation was 7.89E-01 mrem.

Table B illustrates the total dose projections from all station sources to the maximum potential off-site individual for the year 2025 and demonstrates compliance with the EPA's environmental radiation standard for the uranium fuel cycle per 40 CFR Part 190. (See Table C for total dose as a percentage of annual limits.)

VI. References

1. Regulatory Guide 1.109, Revision 1, "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purposes of Evaluating Compliance with 10CFR Part 50, Appendix I", USNRC, October 1977.
2. Seabrook Station Program Manual: Offsite Dose Calculation Manual (ODCM), Revision 41.
3. Kocher, D.C., "Dose-Rate Conversion Factors for Exposure to Photons and Electrons", Health Physics, Vol. 45, No. 3, Sept. 1983.
4. Regulatory Guide 1.111, Revision 1, "Method for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water Cooled Reactors", USNRC, July 1977.
5. Slade, D.H., "Meteorology and Atomic Energy – 1968", USAEC, July 1968.
6. Hamawi, J.N., "AEOLUS-2 A Computer Code for the Determination of Continuous and Intermittent-Release Atmospheric Dispersion and Deposition of Nuclear Power Plant Effluents in Open-Terrain Sites, Coastal Sites, and Deep-River Valleys for the Assessment of Ensuing Doses and Finite-Cloud Gamma Radiation Exposures", Entech Engineering, Inc., March 1988.
7. Regulatory Guide 1.21, Revision 2, "Measuring, Evaluating, and Reporting Radioactive Material in Liquid and Gaseous Effluents and Solid Waste", USNRC, June 2009.

Table A  
Seabrook Station  
2025 Annual Radioactive Effluent Release Report

Maximum<sup>(a)</sup> Off-Site Doses and Dose Commitments to Members of the Public

Release Type	Dose (mrem) <sup>(b)</sup>				
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Year <sup>(c)</sup> 2025
Liquid Effluents:					
Total Body Dose	7.40E-05 (1)	9.80E-06 (1)	2.36E-05 (1)	4.68E-05 (1)	1.54E-04
Max Organ Dose	3.20E-04 (2)	4.05E-05 (2)	7.71E-05 (2)	7.33E-05 (2)	5.11E-04
Airborne Effluents:					
Organ Dose from Carbon-14, Iodines, Tritium, and Particulates (T <sub>1/2</sub> > 8 days)	1.95E-01 (3)	2.03E-01 (3)	1.96E-01 (3)	1.94E-01 (3)	7.89E-01
Noble Gases					
Beta Air (mrad)	1.23E-04 (4)	1.07E-06 (5)	3.14E-07 (6)	2.36E-07 (7)	1.25E-04
Gamma Air (mrad)	2.89E-04 (4)	2.62E-06 (5)	9.76E-07 (6)	7.65E-07 (8)	2.93E-04
Direct Dose Offsite From Station Operation <sup>(e)</sup>	0	0	0	0	0
Doses (mrem) at Receptor Locations Inside Site Boundary <sup>(d)</sup> :					
Science and Nature Center (SW, 488m): Max Organ Dose (mrem)	2.34E-06	3.05E-05	4.87E-06	3.82E-06	4.16E-05
The Firing Range (W, 974m) Max Organ Dose	6.37E-05	2.98E-04	1.48E-04	3.41E-05	5.44E-04
The Fitness Center (WSW, 384m): Max Organ Dose (mrem)	8.23E-05	7.56E-04	2.35E-04	1.06E-04	1.18E-03

Table A (continued)

Seabrook Station  
2025 Annual Radioactive Effluent Release Report

Maximum<sup>(a)</sup> Off-Site Doses and Dose Commitments to Members of the Public

NOTES:

- (a) "Maximum" means the largest fraction of corresponding 10CFR50, Appendix I, dose design objective.
- (b) The numbered footnotes indicate the age group, organ, and location (compass sector and distance from the primary vent in meters) of the critical receptor, where appropriate, based on the most limiting radionuclide dose contributor (C-14).
  - (1) Adult
  - (2) GI-LLI of an adult
  - (3) Bone of a child, W 1252 m
  - (4) ESE 2276 m
  - (5) NW 914 m
  - (6) W 1005 m
  - (7) ESE 2276 m
  - (8) SSE 914 m
- (c) "Maximum" dose for the year is the sum of the maximum doses for each quarter. This results in a conservative yearly dose estimate, but still well within the limits of 10CFR50.
- (d) For each special receptor location, the whole body and organ doses calculated for the airborne effluent releases were adjusted by the occupancy factors (i.e., 0.0014 for the Science and Nature Center and 0.0416 for the Fitness Center and Firing Range). The most limiting on-site location with respect to dose is estimated to be the Fitness Center located in the Hi-Rise office building due to relatively close location to the plant vent stack.
- (e) Only station sources (both plant and dry fuel storage) are considered since there are no other fuel cycle facilities within five miles of Seabrook Station site. Dosimeter data collected in 2025 for the closest off-site environmental TLD locations in each sector (as listed in Tables B.4-1 and B.4-2 of Seabrook's ODCM) were compared to preoperational data for the same locations. No statistical difference above random background variability which could be attributed to station sources was identified.

Table B  
 Seabrook Station  
 2025 Annual Radioactive Effluent Release Report

Total Dose to Maximum Off-Site Individual  
(40CFR190)

Release Source	Total Body (mrem)	Maximum Organ <sup>(a)</sup> (mrem)
Liquids	1.54E-04	5.11E-04
Noble Gases	1.96E-04	1.96E-04
Gaseous Iodines, Tritium, C-14 & Particulates ( $T_{1/2} > 8$ days)	1.64E-01	7.89E-01
Direct Radiation	0	0
Annual Total	1.64E-01	7.89E-01

(a) Maximum organ includes consideration of the thyroid.

Table C

Seabrook Station  
2025 Annual Radioactive Effluent Release Report

Calculated 2025 Maximum Doses versus Applicable Limits

Receptor	Applicable ODCM Control	ODCM Annual Limit	Calculated Annual (2025) Dose	Percent of Limit
Offsite				
Liquid Effluents				
Whole Body Dose	C.6.2.1	3 mrem	1.54E-04 mrem	0.0051%
Organ Dose	C.6.2.1	10 mrem	5.11E-04 mrem	0.0051%
Airborne Effluents				
Organ Dose (iodines, H-3, C-14 and part.)	C.7.3.1	15 mrem	7.89E-01 mrem	5.26%
Gamma Air Dose (noble gases)	C.7.2.1	10 mrad	2.93E-04 mrad	0.0029%
Beta Air Dose (noble gases)	C.7.2.1	20 mrad	1.25E-04 mrad	0.00062%
All Station Sources <sup>(a)</sup>				
Whole Body Dose	C.8.1.1	25 mrem	1.64E-01 mrem	0.658%
Organ Dose	C.8.1.1	25 mrem	7.89E-01 mrem	3.16%
Onsite (Science & Nature Center, 488m SW)				
Organ Dose (iodines, H-3, C-14 and part.)	C.7.3.1 <sup>(b)</sup>	15 mrem	4.16E-05 mrem	0.00028%
Onsite (The Firing Range, 974m W)				
Organ Dose (iodines, H-3, C-14 and part.)	C.7.3.1 <sup>(b)</sup>	15 mrem	5.44E-04 mrem	0.0036%
Onsite (Fitness Center, 384m WSW)				
Organ Dose (iodines, H-3, C-14 and part.)	C.7.3.1 <sup>(b)</sup>	15 mrem	1.18E-03 mrem	0.0079%

- (a) The "all station sources" doses are the sum of the whole body doses and maximum organ doses from liquid, noble gas, and gaseous iodines/tritium/carbon-14/particulate releases as well as direct radiation from fixed station sources (both plant facilities and dry fuel storage).
- (b) ODCM Part A, Section 10.2 states that the annual effluent report shall include an assessment of the radiation doses from radioactive liquids and gaseous effluents to members of the public due to their activities inside the site boundary during the report period. The referenced limits (C.7.2.1 & C.7.3.1) are the acceptable doses from liquid and gaseous effluents to areas at and beyond the site boundary and are considered to be appropriate for comparison purposes.

Table D  
 Seabrook Station  
 2025 Annual Radioactive Effluent Release Report

Sources of the Values of Factors Used in Liquid Dose Equations

Factor	Definition	Source
$U_{ap}$	Usage factor	Table B.7-1, Station ODCM
$M_p$	Mixing ratio	Section B.7.1, Station ODCM (value=0.1 for aquatic foods and 0.025 for shoreline)
$B_{ip}$	Equilibrium bioaccumulation factor	Table A-1, Reg. Guide 1.109
$D_{aipj}$	Dose factor	Tables E-11 through E-14, Reg. Guide 1.109
$t_p$	Nuclide transit time	Table E-15, Reg. Guide 1.109
$K_c$	Transfer coefficient from water to sediment	Reg. Guide 1.109
$t_b$	Period of activity buildup in sediment or soil	Table B.7-2, Station ODCM
$W$	Shoreline width factor	Table A-2, Reg. Guide 1.109 (value = 0.5)

Table E  
Seabrook Station  
2025 Annual Radioactive Effluent Release Report

Sources of Values for the Factors Used in Dose Equations for Gaseous Releases

Factor	Definition	Source
$t_b$	Period of activity buildup in sediment or soil	Table B.7-2, Station ODCM
$\lambda_i$	Nuclide decay constant	Kocher (Reference 3)
$DFG_{ij}$	Ground plane dose factor	Table E-6, Reg. Guide 1.109
$[X/Q]$	Atmospheric dispersion factor (non-depleted)	Calculated following Reg. Guide 1.111
$[X/Q]^P$	Atmospheric dispersion factor (depleted)	Calculated following Reg. Guide 1.111
$R_a$	Breathing rate	Table B.7-3, Station ODCM
$DFA_{ija}$	Inhalation dose factor	Tables E-7 through E-10, Reg. Guide 1.109
$d_i$	Nuclide deposition rate	Reg. Guide 1.109
$P$	Soil surface density	Table B.7-2, Station ODCM
$t_e$	Crop, leafy vegetable, or pasture grass exposure period	Table B.7-2, Station ODCM
$t_h$	Average time from crop harvest to consumption	Table B.7-2, Station ODCM
$Y_v$	Agricultural productivity by unit area	Table B.7-2, Station ODCM
$r$	Fraction of deposited activity retained on crops, leafy vegetables, or pasture grass	Table E-15, Reg. Guide 1.109
$B_{iv}$	Stable element transfer coefficient from soil to produce, leafy vegetable, or pasture grass	Table E-1, Reg. Guide 1.109
$p$	Fractional equilibrium ratio	Reg. Guide 1.109
$H$	Ambient absolute humidity	Table B.7-2, Station ODCM

Table E (continued)

Seabrook Station  
2025 Annual Radioactive Effluent Release Report

Sources of Values for the Factors Used in Dose Equations for Gaseous Releases

Factor	Definition	Source
$F_m$	Stable element transfer coefficient from feed to milk	Tables E-1 and E-2, Reg. Guide 1.109
$t_r$	Average time from feed to milk to consumption	Reg. Guide 1.109
$f_p$	Fraction of the year that animals graze on pasture	Table B.7-2, Station ODCM
$f_s$	Fraction daily feed pasture grass	Table B.7-2, Station ODCM
$F_f$	Stable element transfer coefficient from feed to meat	Table E-1, Reg. Guide 1.109
$t_s$	Average time from meat animal slaughter to consumption	Table E-15, Reg. Guide 1.109
$DFI_{ija}$	Ingestion dose factor	Tables E-11 through E-14, Reg. Guide 1.109
$U_a^v$	Annual intake of produce	Table B.7-3, Station ODCM
$U_a^m$	Annual intake of milk	Table B.7-3, Station ODCM
$U_a^F$	Annual intake of meat	Table B.7-3, Station ODCM
$U_a^L$	Annual intake of leafy vegetables	Table B.7-3, Station ODCM
$f_g$	Ingestion rate fractions for garden produce	Reg. Guide 1.109
$f_l$	Ingestion rate fractions for garden leafy vegetables	Reg. Guide 1.109
$\lambda_w$	Rate constant for activity removal from plant and leaf surfaces by weathering	Table E-15, Reg. Guide 1.109
$Q_F$	Animal consumption rate	Table E-3, Reg. Guide 1.109

Table F  
 Seabrook Station  
 2025 Annual Radioactive Effluent Release Report  
Receptor Locations\* for Seabrook Station

Sector	Nearest Resident km (miles)	Nearest Garden km (miles)	Milk Animals within 5 Mile Radius km (miles)
N	2.78 (1.73)	4.52 (2.81)	---
NNE	3.05 (1.89)	3.32 (2.06)	---
NE	2.94 (1.82)	3.53 (2.19)	---
ENE	2.33 (1.44)	2.53 (1.57)	---
E	2.56 (1.59)	---	---
ESE	2.44 (1.52)	3.12 (1.94)	---
SE	2.39 (1.48)	---	---
SSE	1.66 (1.03)	6.52 (4.05)	---
S	1.21 (0.75)	1.32 (0.88)	---
SSW	1.12 (0.69)	1.22 (0.76)	---
SW	1.13 (0.70)	1.73 (1.08)	--
WSW	1.88 (1.17)	2.61 (1.62)	---
W	1.25 (0.78)	1.55 (0.96)	---
WNW	1.11 (0.69)	3.08 (1.92)	---
NW	1.22 (0.76)	1.20 (0.75)	6.93 (4.30)
NNW	1.04 (0.64)	2.07 (1.29)	--

\* Locations based on 2025 Land Use Census.

## **List of Appendices**

<u>Appendix</u>	<u>Title</u>
A	Offsite Dose Calculation Manual
B	Process Control Program
C	Liquid Holdup Tanks
D	Radwaste Treatment Systems
E	Unplanned Releases

**Appendix A**  
**Offsite Dose Calculation Manual**

**Requirement:** In accordance with Technical Specification 6.13, licensee-initiated changes to the Offsite Dose Calculation Manual (ODCM), including changes to the Radiological Environmental Monitoring Program per ODCM Sections C.9.1.1 and C.9.2.1, shall be submitted to the Commission in the Annual Radioactive Effluent Release Report for the period in which the change(s) was made effective.

**Response:** In accordance with Technical Specification 6.13, no licensee-initiated changes to the Offsite Dose Calculation Manual, including changes to the Radiological Environmental Monitoring Program per ODCM Sections C.9.1.1 and C.9.2.1, were made during the 2025 reporting period.

**Appendix B**  
**Process Control Program**

**Requirement:** In accordance with Technical Specification 6.12, licensee-initiated changes to the Process Control Program shall be submitted to the Commission in the Annual Radioactive Effluent Release Report for the period in which the change(s) was made effective.

**Response:** In accordance with Technical Specification 6.12, no licensee-initiated changes to the Process Control Program were made during the 2025 reporting period

## **Appendix C**

### **Liquid Holdup Tank**

**Requirement:** In accordance with Technical Specification 3.11.1.4, the quantity of radioactive material contained in any outside temporary tank is limited. Should those limits be exceeded, Technical Specification 6.8.1.4 requires that a description of the events leading to that condition be included in the next Annual Radioactive Effluent Release Report.

**Response:** In accordance with Technical Specifications 3.11.1.4 and 6.8.1.4, the limits for radioactive material in outside temporary tanks were not exceeded during the 2025 reporting period. No reportable events occurred and no description is required

## Appendix D

### **Radwaste Treatment Systems**

**Requirement:** In accordance with Technical Specification 6.14.1a, licensee-initiated changes to the Radwaste Treatment Systems (liquid, gaseous, and solid) shall be submitted to the Commission in the Annual Radioactive Effluent Release Report for the period in which the change was made effective

**Response:** In accordance with Technical Specification 6.14.1a, any licensee-initiated changes to the Radwaste Treatment Systems (liquid, gaseous, and solid) made during the 2025 reporting period will be submitted to the Commission as part of the FSAR update

## **Appendix E**

### **Unplanned Releases**

**Requirement:** In accordance with Technical Specification 6.8.1.4, a list and description of unplanned releases of radioactive materials in gaseous and liquid effluents from the site to unrestricted areas shall be submitted for the reporting period. This includes all groundwater monitoring well sample results and a description of any significant onsite leaks or spills that impact groundwater.

**Response:** In accordance with Technical Specification 6.8.1.4, no unplanned, unanticipated, or abnormal releases of radioactive materials in gaseous or liquid effluents from the site to unrestricted areas occurred during the 2025 reporting period. Groundwater monitoring well sample results are provided on the following page

## 2025 Ground Water Monitoring Well Tritium Data

Date/Time	BD-1 (pCi/L)	BD-2 (pCi/L)	BD-3 (pCi/L)	BD-4 (pCi/L)	BD-5 (pCi/L)	BD-6 (pCi/L)	BU-1 (pCi/L)	SC-1 (pCi/L)	SD-1 (pCi/L)	SD-2 (pCi/L)	SD-3 (pCi/L)	SD-4 (pCi/L)	SD-5 (pCi/L)	SU-1 (pCi/L)	SW-1 (pCi/L)	SW-2 (pCi/L)	SW-3 (pCi/L)	SW-4 (pCi/L)	SW-5 (pCi/L)	SW-6 (pCi/L)
04/17/25		<601							<604						<604		<603			
05/15/25		<613							<612						827		<613			
09/29/25		<653							<653						757		<653			
10/01/25	<655		<653	<653	<653	<655	<653	<655		<653	<655	<653	<655	<655		<657		<657	<657	

**Paired well locations:**

- BD-1 Southwest of plant, south of cooling tower outside PA fence
- SD-1 / BD-2 South of plant near seawall inside PA fence
- SD-2 / BD-3 East of plant inside owner controlled area
- SD-3 / BD-4 Northeast of plant inside owner controlled area
- SD-4 / BD-5 Southwest of plant, south of cooling tower inside owner controlled area
- SD-5 / BD-6 South of Unit 2 containment equipment hatch outside PA fence
- SU-1 / BU-1 Northwest of plant (Background location) inside owner controlled area
- SU-10 / BU-10 North / northwest of plant inside PA fence
- SU-11 / BU-11 North of plant inside PA fence

**Selected well locations:**

- SW-1 South of Fuel Storage Building (Indicator location) inside PA fence
- SW-2 East of plant near Service Water Pump House inside PA fence
- SW-3 Southwest of plant near Unit 1 to Unit 2 tunnel inside PA fence
- SW-4 South of waste process building / steam generator blowdown room inside PA fence
- SW-5 West of service water building inside PA fence
- SW-6 Southwest of demineralized tank 259 inside PA fence
- TW-1 Southeast of plant inside owner controlled area outside PA fence
- TW-2 Southeast of plant inside owner controlled area outside PA fence
- TW-3 Southeast of plant inside owner controlled area outside PA fence

Note: All sample results in pCi/L

**Definitions:**

- S = Shallow
- C = Cross gradient
- U = up gradient
- W = well
- B = Bedrock
- D = down gradient
- T = temporary

**Enclosure 3**

**Joint Frequency Distribution of Wind Speed,  
Wind Direction, and Atmospheric Stability**

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS A                      CLASS FREQUENCY (PERCENT) = 2.86

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-3	1	0	0	1	0	0	0	0	1	0	0	0	1	1	0	1	0	6
(1)	0.40	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.40	0.40	0.00	0.40	0.00	2.40
(2)	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.07
4-7	1	1	1	1	5	12	19	5	0	0	1	3	3	3	1	1	0	57
(1)	0.40	0.40	0.40	0.40	2.00	4.80	7.60	2.00	0.00	0.00	0.40	1.20	1.20	1.20	0.40	0.40	0.00	22.80
(2)	0.01	0.01	0.01	0.01	0.06	0.14	0.22	0.06	0.00	0.00	0.01	0.03	0.03	0.03	0.01	0.01	0.00	0.65
8-12	0	1	4	13	9	22	45	11	1	9	21	12	9	6	7	4	0	174
(1)	0.00	0.40	1.60	5.20	3.60	8.80	18.00	4.40	0.40	3.60	8.40	4.80	3.60	2.40	2.80	1.60	0.00	69.60
(2)	0.00	0.01	0.05	0.15	0.10	0.25	0.51	0.13	0.01	0.10	0.24	0.14	0.10	0.07	0.08	0.05	0.00	1.99
13-18	0	0	0	0	0	0	0	0	1	1	3	0	1	4	2	0	0	12
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	1.20	0.00	0.40	1.60	0.80	0.00	0.00	4.80
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.01	0.05	0.02	0.00	0.00	0.14
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.40
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	2	2	5	15	14	34	64	16	3	10	25	15	14	14	11	6	0	250
(1)	0.80	0.80	2.00	6.00	5.60	13.60	25.60	6.40	1.20	4.00	10.00	6.00	5.60	5.60	4.40	2.40	0.00	100.00
(2)	0.02	0.02	0.06	0.17	0.16	0.39	0.73	0.18	0.03	0.11	0.29	0.17	0.16	0.16	0.13	0.07	0.00	2.86

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD  
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25--DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS B                      CLASS FREQUENCY (PERCENT) =    4.14

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-3	0	2	3	2	0	0	0	1	0	0	0	1	0	0	2	0	0	11
(1)	0.00	0.55	0.83	0.55	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.28	0.00	0.00	0.55	0.00	0.00	3.04
(2)	0.00	0.02	0.03	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.13
4-7	5	2	1	5	12	8	18	4	1	6	10	21	7	13	5	6	0	124
(1)	1.38	0.55	0.28	1.38	3.31	2.21	4.97	1.10	0.28	1.66	2.76	5.80	1.93	3.59	1.38	1.66	0.00	34.25
(2)	0.06	0.02	0.01	0.06	0.14	0.09	0.21	0.05	0.01	0.07	0.11	0.24	0.08	0.15	0.06	0.07	0.00	1.42
8-12	2	0	9	12	29	15	16	5	1	7	17	21	11	22	12	6	0	185
(1)	0.55	0.00	2.49	3.31	8.01	4.14	4.42	1.38	0.28	1.93	4.70	5.80	3.04	6.08	3.31	1.66	0.00	51.10
(2)	0.02	0.00	0.10	0.14	0.33	0.17	0.18	0.06	0.01	0.08	0.19	0.24	0.13	0.25	0.14	0.07	0.00	2.12
13-18	0	0	0	1	3	1	1	0	1	2	1	2	0	12	12	0	0	36
(1)	0.00	0.00	0.00	0.28	0.83	0.28	0.28	0.00	0.28	0.55	0.28	0.55	0.00	3.31	3.31	0.00	0.00	9.94
(2)	0.00	0.00	0.00	0.01	0.03	0.01	0.01	0.00	0.01	0.02	0.01	0.02	0.00	0.14	0.14	0.00	0.00	0.41
19-24	0	0	0	1	0	0	0	0	0	0	0	0	0	1	3	0	0	5
(1)	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.83	0.00	0.00	1.38
(2)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.06
GT 24	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
(2)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
ALL SPEEDS	7	4	13	21	45	24	35	10	3	15	28	45	18	48	34	12	0	362
(1)	1.93	1.10	3.59	5.80	12.43	6.63	9.67	2.76	0.83	4.14	7.73	12.43	4.97	13.26	9.39	3.31	0.00	100.00
(2)	0.08	0.05	0.15	0.24	0.51	0.27	0.40	0.11	0.03	0.17	0.32	0.51	0.21	0.55	0.39	0.14	0.00	4.14

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS C                      CLASS FREQUENCY (PERCENT) = 7.12

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-3	2	4	1	3	3	1	0	1	1	0	0	1	3	1	6	1	0	28
(1)	0.32	0.64	0.16	0.48	0.48	0.16	0.00	0.16	0.16	0.00	0.00	0.16	0.48	0.16	0.96	0.16	0.00	4.49
(2)	0.02	0.05	0.01	0.03	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.03	0.01	0.07	0.01	0.00	0.32
4-7	9	8	3	20	22	11	31	16	5	9	24	20	36	21	22	5	0	262
(1)	1.44	1.28	0.48	3.21	3.53	1.77	4.98	2.57	0.80	1.44	3.85	3.21	5.78	3.37	3.53	0.80	0.00	42.05
(2)	0.10	0.09	0.03	0.23	0.25	0.13	0.35	0.18	0.06	0.10	0.27	0.23	0.41	0.24	0.25	0.06	0.00	3.00
8-12	4	0	8	11	27	17	13	2	3	3	24	25	28	38	31	9	0	243
(1)	0.64	0.00	1.28	1.77	4.33	2.73	2.09	0.32	0.48	0.48	3.85	4.01	4.49	6.10	4.98	1.44	0.00	39.00
(2)	0.05	0.00	0.09	0.13	0.31	0.19	0.15	0.02	0.03	0.03	0.27	0.29	0.32	0.43	0.35	0.10	0.00	2.78
13-18	0	0	0	0	3	0	0	0	0	1	0	2	5	41	23	0	0	75
(1)	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.16	0.00	0.32	0.80	6.58	3.69	0.00	0.00	12.04
(2)	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.06	0.47	0.26	0.00	0.00	0.86
19-24	0	0	0	0	1	0	0	0	0	0	0	0	0	7	5	0	0	13
(1)	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.80	0.00	0.00	2.09
(2)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.00	0.00	0.15
GT 24	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(1)	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.32
(2)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02
ALL SPEEDS	15	12	12	35	56	29	44	19	9	13	48	48	72	109	87	15	0	623
(1)	2.41	1.93	1.93	5.62	8.99	4.65	7.06	3.05	1.44	2.09	7.70	7.70	11.56	17.50	13.96	2.41	0.00	100.00
(2)	0.17	0.14	0.14	0.40	0.64	0.33	0.50	0.22	0.10	0.15	0.55	0.55	0.82	1.25	0.99	0.17	0.00	7.12

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD  
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS D                      CLASS FREQUENCY (PERCENT) = 51.60

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	1	1	0	1	0	1	1	1	0	2	0	2	1	0	0	1	0	12
(1)	0.02	0.02	0.00	0.02	0.00	0.02	0.02	0.02	0.00	0.04	0.00	0.04	0.02	0.00	0.00	0.02	0.00	0.27
(2)	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.02	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.14
C-3	38	32	27	30	19	14	28	38	44	43	39	45	48	49	43	36	0	573
(1)	0.84	0.71	0.60	0.66	0.42	0.31	0.62	0.84	0.98	0.95	0.86	1.00	1.06	1.09	0.95	0.80	0.00	12.70
(2)	0.43	0.37	0.31	0.34	0.22	0.16	0.32	0.43	0.50	0.49	0.45	0.51	0.55	0.56	0.49	0.41	0.00	6.55
4-7	67	36	69	98	151	78	123	120	95	124	174	209	194	198	136	69	0	1941
(1)	1.48	0.80	1.53	2.17	3.35	1.73	2.73	2.66	2.11	2.75	3.86	4.63	4.30	4.39	3.01	1.53	0.00	43.02
(2)	0.77	0.41	0.79	1.12	1.73	0.89	1.41	1.37	1.09	1.42	1.99	2.39	2.22	2.26	1.56	0.79	0.00	22.20
8-12	26	6	76	65	96	46	26	29	18	64	107	124	200	291	198	30	0	1402
(1)	0.58	0.13	1.68	1.44	2.13	1.02	0.58	0.64	0.40	1.42	2.37	2.75	4.43	6.45	4.39	0.66	0.00	31.07
(2)	0.30	0.07	0.87	0.74	1.10	0.53	0.30	0.33	0.21	0.73	1.22	1.42	2.29	3.33	2.26	0.34	0.00	16.03
13-18	1	0	50	15	26	5	0	1	0	11	12	10	67	214	103	1	0	516
(1)	0.02	0.00	1.11	0.33	0.58	0.11	0.00	0.02	0.00	0.24	0.27	0.22	1.48	4.74	2.28	0.02	0.00	11.44
(2)	0.01	0.00	0.57	0.17	0.30	0.06	0.00	0.01	0.00	0.13	0.14	0.11	0.77	2.45	1.18	0.01	0.00	5.90
19-24	0	0	4	2	14	2	0	1	0	0	0	0	5	19	20	1	0	68
(1)	0.00	0.00	0.09	0.04	0.31	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.11	0.42	0.44	0.02	0.00	1.51
(2)	0.00	0.00	0.05	0.02	0.16	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.22	0.23	0.01	0.00	0.78
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	133	75	226	211	306	146	178	190	157	244	332	390	515	771	500	138	0	4512
(1)	2.95	1.66	5.01	4.68	6.78	3.24	3.95	4.21	3.48	5.41	7.36	8.64	11.41	17.09	11.08	3.06	0.00	100.00
(2)	1.52	0.86	2.58	2.41	3.50	1.67	2.04	2.17	1.80	2.79	3.80	4.46	5.89	8.82	5.72	1.58	0.00	51.60

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD  
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS E                      CLASS FREQUENCY (PERCENT) = 21.04

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	4	1	0	3	2	2	1	0	1	2	2	4	4	3	7	2	0	38
(1)	0.22	0.05	0.00	0.16	0.11	0.11	0.05	0.00	0.05	0.11	0.11	0.22	0.22	0.16	0.38	0.11	0.00	2.07
(2)	0.05	0.01	0.00	0.03	0.02	0.02	0.01	0.00	0.01	0.02	0.02	0.05	0.05	0.03	0.08	0.02	0.00	0.43
C-3	21	12	20	30	14	18	11	27	33	51	93	88	129	83	65	23	0	718
(1)	1.14	0.65	1.09	1.63	0.76	0.98	0.60	1.47	1.79	2.77	5.05	4.78	7.01	4.51	3.53	1.25	0.00	39.02
(2)	0.24	0.14	0.23	0.34	0.16	0.21	0.13	0.31	0.38	0.58	1.06	1.01	1.48	0.95	0.74	0.26	0.00	8.21
4-7	12	12	32	21	47	9	37	29	19	45	106	196	122	125	114	31	0	957
(1)	0.65	0.65	1.74	1.14	2.55	0.49	2.01	1.58	1.03	2.45	5.76	10.65	6.63	6.79	6.20	1.68	0.00	52.01
(2)	0.14	0.14	0.37	0.24	0.54	0.10	0.42	0.33	0.22	0.51	1.21	2.24	1.40	1.43	1.30	0.35	0.00	10.94
8-12	1	0	37	8	8	0	3	2	0	0	1	7	15	16	4	0	0	102
(1)	0.05	0.00	2.01	0.43	0.43	0.00	0.16	0.11	0.00	0.00	0.05	0.38	0.82	0.87	0.22	0.00	0.00	5.54
(2)	0.01	0.00	0.42	0.09	0.09	0.00	0.03	0.02	0.00	0.00	0.01	0.08	0.17	0.18	0.05	0.00	0.00	1.17
13-18	0	0	5	0	0	0	0	0	0	0	0	0	17	3	0	0	0	25
(1)	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.16	0.00	0.00	0.00	1.36
(2)	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.03	0.00	0.00	0.00	0.29
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	38	25	94	62	71	29	52	58	53	98	202	295	287	230	190	56	0	1840
(1)	2.07	1.36	5.11	3.37	3.86	1.58	2.83	3.15	2.88	5.33	10.98	16.03	15.60	12.50	10.33	3.04	0.00	100.00
(2)	0.43	0.29	1.07	0.71	0.81	0.33	0.59	0.66	0.61	1.12	2.31	3.37	3.28	2.63	2.17	0.64	0.00	21.04

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD  
 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS F                      CLASS FREQUENCY (PERCENT) = 7.49

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	1	2	1	2	3	3	0	0	2	4	1	7	4	7	4	4	0	45
(1)	0.15	0.31	0.15	0.31	0.46	0.46	0.00	0.00	0.31	0.61	0.15	1.07	0.61	1.07	0.61	0.61	0.00	6.87
(2)	0.01	0.02	0.01	0.02	0.03	0.03	0.00	0.00	0.02	0.05	0.01	0.08	0.05	0.08	0.05	0.05	0.00	0.51
C-3	6	5	7	12	9	3	3	3	7	12	34	64	115	114	53	13	0	460
(1)	0.92	0.76	1.07	1.83	1.37	0.46	0.46	0.46	1.07	1.83	5.19	9.77	17.56	17.40	8.09	1.98	0.00	70.23
(2)	0.07	0.06	0.08	0.14	0.10	0.03	0.03	0.03	0.08	0.14	0.39	0.73	1.32	1.30	0.61	0.15	0.00	5.26
4-7	2	0	2	0	6	0	4	1	1	0	9	23	25	27	44	5	0	149
(1)	0.31	0.00	0.31	0.00	0.92	0.00	0.61	0.15	0.15	0.00	1.37	3.51	3.82	4.12	6.72	0.76	0.00	22.75
(2)	0.02	0.00	0.02	0.00	0.07	0.00	0.05	0.01	0.01	0.00	0.10	0.26	0.29	0.31	0.50	0.06	0.00	1.70
8-12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	9	7	10	14	18	6	8	4	10	16	44	94	144	148	101	22	0	655
(1)	1.37	1.07	1.53	2.14	2.75	0.92	1.22	0.61	1.53	2.44	6.72	14.35	21.98	22.60	15.42	3.36	0.00	100.00
(2)	0.10	0.08	0.11	0.16	0.21	0.07	0.09	0.05	0.11	0.18	0.50	1.07	1.65	1.69	1.15	0.25	0.00	7.49

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS G                      CLASS FREQUENCY (PERCENT) = 5.75

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	2	3	1	0	0	0	2	0	1	2	3	4	4	3	2	1	0	28
(1)	0.40	0.60	0.20	0.00	0.00	0.00	0.40	0.00	0.20	0.40	0.60	0.80	0.80	0.60	0.40	0.20	0.00	5.57
(2)	0.02	0.03	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.02	0.03	0.05	0.05	0.03	0.02	0.01	0.00	0.32
C-3	5	9	7	17	3	2	0	1	1	8	12	47	110	142	53	13	0	430
(1)	0.99	1.79	1.39	3.38	0.60	0.40	0.00	0.20	0.20	1.59	2.39	9.34	21.87	28.23	10.54	2.58	0.00	85.49
(2)	0.06	0.10	0.08	0.19	0.03	0.02	0.00	0.01	0.01	0.09	0.14	0.54	1.26	1.62	0.61	0.15	0.00	4.92
4-7	0	1	0	0	1	0	0	0	0	0	0	0	7	22	14	0	0	45
(1)	0.00	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	4.37	2.78	0.00	0.00	8.95
(2)	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.25	0.16	0.00	0.00	0.51
8-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	7	13	8	17	4	2	2	1	2	10	15	51	121	167	69	14	0	503
(1)	1.39	2.58	1.59	3.38	0.80	0.40	0.40	0.20	0.40	1.99	2.98	10.14	24.06	33.20	13.72	2.78	0.00	100.00
(2)	0.08	0.15	0.09	0.19	0.05	0.02	0.02	0.01	0.02	0.11	0.17	0.58	1.38	1.91	0.79	0.16	0.00	5.75

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

43.0 FT WIND DATA                      STABILITY CLASS ALL                      CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	8	7	2	6	5	6	4	1	4	10	6	17	13	13	13	8	0	123
(1)	0.09	0.08	0.02	0.07	0.06	0.07	0.05	0.01	0.05	0.11	0.07	0.19	0.15	0.15	0.15	0.09	0.00	1.41
(2)	0.09	0.08	0.02	0.07	0.06	0.07	0.05	0.01	0.05	0.11	0.07	0.19	0.15	0.15	0.15	0.09	0.00	1.41
C-3	73	64	65	95	48	38	42	71	87	114	178	246	406	390	222	87	0	2226
(1)	0.83	0.73	0.74	1.09	0.55	0.43	0.48	0.81	0.99	1.30	2.04	2.81	4.64	4.46	2.54	0.99	0.00	25.45
(2)	0.83	0.73	0.74	1.09	0.55	0.43	0.48	0.81	0.99	1.30	2.04	2.81	4.64	4.46	2.54	0.99	0.00	25.45
4-7	96	60	108	145	244	118	232	175	121	184	324	472	394	409	336	117	0	3535
(1)	1.10	0.69	1.23	1.66	2.79	1.35	2.65	2.00	1.38	2.10	3.70	5.40	4.51	4.68	3.84	1.34	0.00	40.42
(2)	1.10	0.69	1.23	1.66	2.79	1.35	2.65	2.00	1.38	2.10	3.70	5.40	4.51	4.68	3.84	1.34	0.00	40.42
8-12	33	7	134	109	169	100	104	49	23	83	170	189	263	373	252	49	0	2107
(1)	0.38	0.08	1.53	1.25	1.93	1.14	1.19	0.56	0.26	0.95	1.94	2.16	3.01	4.27	2.88	0.56	0.00	24.09
(2)	0.38	0.08	1.53	1.25	1.93	1.14	1.19	0.56	0.26	0.95	1.94	2.16	3.01	4.27	2.88	0.56	0.00	24.09
13-18	1	0	55	16	32	6	1	1	2	15	16	14	90	274	140	1	0	664
(1)	0.01	0.00	0.63	0.18	0.37	0.07	0.01	0.01	0.02	0.17	0.18	0.16	1.03	3.13	1.60	0.01	0.00	7.59
(2)	0.01	0.00	0.63	0.18	0.37	0.07	0.01	0.01	0.02	0.17	0.18	0.16	1.03	3.13	1.60	0.01	0.00	7.59
19-24	0	0	4	3	15	2	0	1	0	0	0	0	5	27	29	1	0	87
(1)	0.00	0.00	0.05	0.03	0.17	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.31	0.33	0.01	0.00	0.99
(2)	0.00	0.00	0.05	0.03	0.17	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.31	0.33	0.01	0.00	0.99
GT 24	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	3
(1)	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
(2)	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
ALL SPEEDS	211	138	368	375	514	270	383	298	237	406	694	938	1171	1487	992	263	0	8745
(1)	2.41	1.58	4.21	4.29	5.88	3.09	4.38	3.41	2.71	4.64	7.94	10.73	13.39	17.00	11.34	3.01	0.00	100.00
(2)	2.41	1.58	4.21	4.29	5.88	3.09	4.38	3.41	2.71	4.64	7.94	10.73	13.39	17.00	11.34	3.01	0.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS A                      CLASS FREQUENCY (PERCENT) =    2.86

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-3	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	4
(1)	0.00	0.00	0.40	0.40	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	1.60
(2)	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05
4-7	1	0	0	0	0	1	6	1	0	1	0	0	2	4	1	1	0	18
(1)	0.40	0.00	0.00	0.00	0.00	0.40	2.40	0.40	0.00	0.40	0.00	0.00	0.80	1.60	0.40	0.40	0.00	7.20
(2)	0.01	0.00	0.00	0.00	0.00	0.01	0.07	0.01	0.00	0.01	0.00	0.00	0.02	0.05	0.01	0.01	0.00	0.21
8-12	1	2	4	12	4	10	36	11	2	2	5	5	2	8	3	1	0	108
(1)	0.40	0.80	1.60	4.80	1.60	4.00	14.40	4.40	0.80	0.80	2.00	2.00	0.80	3.20	1.20	0.40	0.00	43.20
(2)	0.01	0.02	0.05	0.14	0.05	0.11	0.41	0.13	0.02	0.02	0.06	0.06	0.02	0.09	0.03	0.01	0.00	1.23
13-18	0	0	0	3	1	1	19	32	0	4	16	16	5	5	5	2	0	109
(1)	0.00	0.00	0.00	1.20	0.40	0.40	7.60	12.80	0.00	1.60	6.40	6.40	2.00	2.00	2.00	0.80	0.00	43.60
(2)	0.00	0.00	0.00	0.03	0.01	0.01	0.22	0.37	0.00	0.05	0.18	0.18	0.06	0.06	0.06	0.02	0.00	1.25
19-24	0	0	0	0	0	0	0	3	0	0	2	0	2	2	1	0	0	10
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.80	0.00	0.80	0.80	0.40	0.00	0.00	4.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.02	0.02	0.01	0.00	0.00	0.11
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.40
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
ALL SPEEDS	2	2	5	16	5	12	62	47	2	7	23	21	11	19	11	5	0	250
(1)	0.80	0.80	2.00	6.40	2.00	4.80	24.80	18.80	0.80	2.80	9.20	8.40	4.40	7.60	4.40	2.00	0.00	100.00
(2)	0.02	0.02	0.06	0.18	0.06	0.14	0.71	0.54	0.02	0.08	0.26	0.24	0.13	0.22	0.13	0.06	0.00	2.86

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS B                      CLASS FREQUENCY (PERCENT) = 4.14

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-3	1	2	1	0	2	2	1	0	0	0	0	1	0	1	1	0	0	12
(1)	0.28	0.55	0.28	0.00	0.55	0.55	0.28	0.00	0.00	0.00	0.00	0.28	0.00	0.28	0.28	0.00	0.00	3.31
(2)	0.01	0.02	0.01	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.14
4-7	3	1	2	2	2	3	9	1	1	2	3	6	0	6	2	4	0	47
(1)	0.83	0.28	0.55	0.55	0.55	0.83	2.49	0.28	0.28	0.55	0.83	1.66	0.00	1.66	0.55	1.10	0.00	12.98
(2)	0.03	0.01	0.02	0.02	0.02	0.03	0.10	0.01	0.01	0.02	0.03	0.07	0.00	0.07	0.02	0.05	0.00	0.54
8-12	8	2	5	10	15	27	21	9	2	5	10	27	9	12	11	6	0	179
(1)	2.21	0.55	1.38	2.76	4.14	7.46	5.80	2.49	0.55	1.38	2.76	7.46	2.49	3.31	3.04	1.66	0.00	49.45
(2)	0.09	0.02	0.06	0.11	0.17	0.31	0.24	0.10	0.02	0.06	0.11	0.31	0.10	0.14	0.13	0.07	0.00	2.05
13-18	0	0	2	4	2	5	2	12	2	0	11	15	7	10	19	1	0	92
(1)	0.00	0.00	0.55	1.10	0.55	1.38	0.55	3.31	0.55	0.00	3.04	4.14	1.93	2.76	5.25	0.28	0.00	25.41
(2)	0.00	0.00	0.02	0.05	0.02	0.06	0.02	0.14	0.02	0.00	0.13	0.17	0.08	0.11	0.22	0.01	0.00	1.05
19-24	0	0	0	0	0	0	0	2	0	2	1	4	2	6	10	0	0	27
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.55	0.28	1.10	0.55	1.66	2.76	0.00	0.00	7.46
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.05	0.02	0.07	0.11	0.00	0.00	0.31
GT 24	0	0	0	0	2	0	0	0	0	0	0	0	0	1	2	0	0	5
(1)	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.55	0.00	0.00	1.38
(2)	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.06
ALL SPEEDS	12	5	10	16	23	37	33	24	5	9	25	53	18	36	45	11	0	362
(1)	3.31	1.38	2.76	4.42	6.35	10.22	9.12	6.63	1.38	2.49	6.91	14.64	4.97	9.94	12.43	3.04	0.00	100.00
(2)	0.14	0.06	0.11	0.18	0.26	0.42	0.38	0.27	0.06	0.10	0.29	0.61	0.21	0.41	0.51	0.13	0.00	4.14

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS C                      CLASS FREQUENCY (PERCENT) = 7.12

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-3	3	2	3	2	1	0	2	0	1	0	1	0	2	2	2	2	0	23
(1)	0.48	0.32	0.48	0.32	0.16	0.00	0.32	0.00	0.16	0.00	0.16	0.00	0.32	0.32	0.32	0.32	0.00	3.69
(2)	0.03	0.02	0.03	0.02	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.02	0.02	0.02	0.02	0.00	0.26
4-7	5	7	1	11	13	5	16	2	4	6	6	11	14	10	11	4	0	126
(1)	0.80	1.12	0.16	1.77	2.09	0.80	2.57	0.32	0.64	0.96	0.96	1.77	2.25	1.61	1.77	0.64	0.00	20.22
(2)	0.06	0.08	0.01	0.13	0.15	0.06	0.18	0.02	0.05	0.07	0.07	0.13	0.16	0.11	0.13	0.05	0.00	1.44
8-12	10	5	5	16	16	23	23	23	5	6	19	24	31	19	17	7	0	249
(1)	1.61	0.80	0.80	2.57	2.57	3.69	3.69	3.69	0.80	0.96	3.05	3.85	4.98	3.05	2.73	1.12	0.00	39.97
(2)	0.11	0.06	0.06	0.18	0.18	0.26	0.26	0.26	0.06	0.07	0.22	0.27	0.35	0.22	0.19	0.08	0.00	2.85
13-18	1	1	1	2	2	3	3	10	0	0	13	24	22	32	44	2	0	160
(1)	0.16	0.16	0.16	0.32	0.32	0.48	0.48	1.61	0.00	0.00	2.09	3.85	3.53	5.14	7.06	0.32	0.00	25.68
(2)	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.11	0.00	0.00	0.15	0.27	0.25	0.37	0.50	0.02	0.00	1.83
19-24	0	0	0	0	1	0	0	0	0	0	0	0	7	19	20	1	0	48
(1)	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	3.05	3.21	0.16	0.00	7.70
(2)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.22	0.23	0.01	0.00	0.55
GT 24	0	0	0	0	2	0	0	0	0	0	0	0	1	7	7	0	0	17
(1)	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	1.12	1.12	0.00	0.00	2.73
(2)	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.08	0.00	0.00	0.19
ALL SPEEDS	19	15	10	31	35	31	44	35	10	12	39	59	77	89	101	16	0	623
(1)	3.05	2.41	1.61	4.98	5.62	4.98	7.06	5.62	1.61	1.93	6.26	9.47	12.36	14.29	16.21	2.57	0.00	100.00
(2)	0.22	0.17	0.11	0.35	0.40	0.35	0.50	0.40	0.11	0.14	0.45	0.67	0.88	1.02	1.15	0.18	0.00	7.12

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS D                      CLASS FREQUENCY (PERCENT) = 51.60

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	3
(1)	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.07
(2)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03
C-3	15	19	9	24	10	10	24	17	13	15	13	12	4	15	13	13	0	226
(1)	0.33	0.42	0.20	0.53	0.22	0.22	0.53	0.38	0.29	0.33	0.29	0.27	0.09	0.33	0.29	0.29	0.00	5.01
(2)	0.17	0.22	0.10	0.27	0.11	0.11	0.27	0.19	0.15	0.17	0.15	0.14	0.05	0.17	0.15	0.15	0.00	2.58
4-7	45	40	35	58	62	103	75	53	48	57	59	56	57	65	65	51	0	929
(1)	1.00	0.89	0.78	1.29	1.37	2.28	1.66	1.17	1.06	1.26	1.31	1.24	1.26	1.44	1.44	1.13	0.00	20.59
(2)	0.51	0.46	0.40	0.66	0.71	1.18	0.86	0.61	0.55	0.65	0.67	0.64	0.65	0.74	0.74	0.58	0.00	10.62
8-12	70	45	64	60	47	82	64	119	90	97	198	126	128	173	182	69	0	1614
(1)	1.55	1.00	1.42	1.33	1.04	1.82	1.42	2.64	1.99	2.15	4.39	2.79	2.84	3.83	4.03	1.53	0.00	35.77
(2)	0.80	0.51	0.73	0.69	0.54	0.94	0.73	1.36	1.03	1.11	2.26	1.44	1.46	1.98	2.08	0.79	0.00	18.46
13-18	33	10	42	43	39	10	14	38	20	27	105	124	179	219	240	41	0	1184
(1)	0.73	0.22	0.93	0.95	0.86	0.22	0.31	0.84	0.44	0.60	2.33	2.75	3.97	4.85	5.32	0.91	0.00	26.24
(2)	0.38	0.11	0.48	0.49	0.45	0.11	0.16	0.43	0.23	0.31	1.20	1.42	2.05	2.50	2.74	0.47	0.00	13.54
19-24	0	2	32	10	10	9	0	1	3	8	15	16	72	155	112	4	0	449
(1)	0.00	0.04	0.71	0.22	0.22	0.20	0.00	0.02	0.07	0.18	0.33	0.35	1.60	3.44	2.48	0.09	0.00	9.95
(2)	0.00	0.02	0.37	0.11	0.11	0.10	0.00	0.01	0.03	0.09	0.17	0.18	0.82	1.77	1.28	0.05	0.00	5.13
GT 24	0	0	11	0	11	7	0	0	1	0	0	0	22	24	31	0	0	107
(1)	0.00	0.00	0.24	0.00	0.24	0.16	0.00	0.00	0.02	0.00	0.00	0.00	0.49	0.53	0.69	0.00	0.00	2.37
(2)	0.00	0.00	0.13	0.00	0.13	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.25	0.27	0.35	0.00	0.00	1.22
ALL SPEEDS	163	116	193	195	179	222	177	228	176	204	390	334	462	651	643	179	0	4512
(1)	3.61	2.57	4.28	4.32	3.97	4.92	3.92	5.05	3.90	4.52	8.64	7.40	10.24	14.43	14.25	3.97	0.00	100.00
(2)	1.86	1.33	2.21	2.23	2.05	2.54	2.02	2.61	2.01	2.33	4.46	3.82	5.28	7.44	7.35	2.05	0.00	51.60

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SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS E                      CLASS FREQUENCY (PERCENT) = 21.04

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.11
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02
C-3	8	11	5	20	9	8	11	11	4	13	5	8	1	6	4	4	0	128
(1)	0.43	0.60	0.27	1.09	0.49	0.43	0.60	0.60	0.22	0.71	0.27	0.43	0.05	0.33	0.22	0.22	0.00	6.96
(2)	0.09	0.13	0.06	0.23	0.10	0.09	0.13	0.13	0.05	0.15	0.06	0.09	0.01	0.07	0.05	0.05	0.00	1.46
4-7	19	11	18	22	14	24	21	16	24	32	35	33	25	31	37	23	0	385
(1)	1.03	0.60	0.98	1.20	0.76	1.30	1.14	0.87	1.30	1.74	1.90	1.79	1.36	1.68	2.01	1.25	0.00	20.92
(2)	0.22	0.13	0.21	0.25	0.16	0.27	0.24	0.18	0.27	0.37	0.40	0.38	0.29	0.35	0.42	0.26	0.00	4.40
8-12	44	19	28	23	4	7	6	38	52	67	125	137	108	143	127	64	0	992
(1)	2.39	1.03	1.52	1.25	0.22	0.38	0.33	2.07	2.83	3.64	6.79	7.45	5.87	7.77	6.90	3.48	0.00	53.91
(2)	0.50	0.22	0.32	0.26	0.05	0.08	0.07	0.43	0.59	0.77	1.43	1.57	1.23	1.64	1.45	0.73	0.00	11.34
13-18	6	10	25	5	3	1	0	17	1	0	27	66	51	39	31	11	0	293
(1)	0.33	0.54	1.36	0.27	0.16	0.05	0.00	0.92	0.05	0.00	1.47	3.59	2.77	2.12	1.68	0.60	0.00	15.92
(2)	0.07	0.11	0.29	0.06	0.03	0.01	0.00	0.19	0.01	0.00	0.31	0.75	0.58	0.45	0.35	0.13	0.00	3.35
19-24	0	0	4	0	1	0	0	1	0	0	0	0	21	4	1	0	0	32
(1)	0.00	0.00	0.22	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	1.14	0.22	0.05	0.00	0.00	1.74
(2)	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.24	0.05	0.01	0.00	0.00	0.37
GT 24	0	0	1	0	0	0	0	0	0	0	0	0	6	1	0	0	0	8
(1)	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.05	0.00	0.00	0.00	0.43
(2)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.09
ALL SPEEDS	77	51	81	70	31	40	38	84	81	112	192	244	213	224	200	102	0	1840
(1)	4.18	2.77	4.40	3.80	1.68	2.17	2.07	4.57	4.40	6.09	10.43	13.26	11.58	12.17	10.87	5.54	0.00	100.00
(2)	0.88	0.58	0.93	0.80	0.35	0.46	0.43	0.96	0.93	1.28	2.20	2.79	2.44	2.56	2.29	1.17	0.00	21.04

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE  
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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS F                      CLASS FREQUENCY (PERCENT) = 7.49

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	2	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0	6
(1)	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0.15	0.00	0.00	0.15	0.00	0.00	0.00	0.92
(2)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.07
C-3	3	3	3	2	3	8	7	3	4	9	5	6	5	4	5	6	0	76
(1)	0.46	0.46	0.46	0.31	0.46	1.22	1.07	0.46	0.61	1.37	0.76	0.92	0.76	0.61	0.76	0.92	0.00	11.60
(2)	0.03	0.03	0.03	0.02	0.03	0.09	0.08	0.03	0.05	0.10	0.06	0.07	0.06	0.05	0.06	0.07	0.00	0.87
4-7	13	3	5	5	7	0	2	14	23	23	30	16	11	10	13	13	0	188
(1)	1.98	0.46	0.76	0.76	1.07	0.00	0.31	2.14	3.51	3.51	4.58	2.44	1.68	1.53	1.98	1.98	0.00	28.70
(2)	0.15	0.03	0.06	0.06	0.08	0.00	0.02	0.16	0.26	0.26	0.34	0.18	0.13	0.11	0.15	0.15	0.00	2.15
8-12	32	4	3	0	0	2	1	2	8	21	35	34	46	58	53	30	0	329
(1)	4.89	0.61	0.46	0.00	0.00	0.31	0.15	0.31	1.22	3.21	5.34	5.19	7.02	8.85	8.09	4.58	0.00	50.23
(2)	0.37	0.05	0.03	0.00	0.00	0.02	0.01	0.02	0.09	0.24	0.40	0.39	0.53	0.66	0.61	0.34	0.00	3.76
13-18	4	0	0	0	0	0	0	4	0	1	5	5	13	8	7	9	0	56
(1)	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.15	0.76	0.76	1.98	1.22	1.07	1.37	0.00	8.55
(2)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.06	0.06	0.15	0.09	0.08	0.10	0.00	0.64
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	54	10	11	7	10	10	10	24	35	55	76	61	75	81	78	58	0	655
(1)	8.24	1.53	1.68	1.07	1.53	1.53	1.53	3.66	5.34	8.40	11.60	9.31	11.45	12.37	11.91	8.85	0.00	100.00
(2)	0.62	0.11	0.13	0.08	0.11	0.11	0.11	0.27	0.40	0.63	0.87	0.70	0.86	0.93	0.89	0.66	0.00	7.49

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 C= CALM (WIND SPEED LESS THAN OR EQUAL TO 0.95 MPH)

SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS G                      CLASS FREQUENCY (PERCENT) = 5.75

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2
(1)	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.40
(2)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02
C-3	2	3	4	5	4	6	4	2	3	5	6	7	6	4	3	5	0	69
(1)	0.40	0.60	0.80	0.99	0.80	1.19	0.80	0.40	0.60	0.99	1.19	1.39	1.19	0.80	0.60	0.99	0.00	13.72
(2)	0.02	0.03	0.05	0.06	0.05	0.07	0.05	0.02	0.03	0.06	0.07	0.08	0.07	0.05	0.03	0.06	0.00	0.79
4-7	14	6	9	3	6	1	6	9	14	19	30	32	27	9	11	12	0	208
(1)	2.78	1.19	1.79	0.60	1.19	0.20	1.19	1.79	2.78	3.78	5.96	6.36	5.37	1.79	2.19	2.39	0.00	41.35
(2)	0.16	0.07	0.10	0.03	0.07	0.01	0.07	0.10	0.16	0.22	0.34	0.37	0.31	0.10	0.13	0.14	0.00	2.38
8-12	18	13	4	0	2	0	0	3	2	8	35	27	22	19	25	36	0	214
(1)	3.58	2.58	0.80	0.00	0.40	0.00	0.00	0.60	0.40	1.59	6.96	5.37	4.37	3.78	4.97	7.16	0.00	42.54
(2)	0.21	0.15	0.05	0.00	0.02	0.00	0.00	0.03	0.02	0.09	0.40	0.31	0.25	0.22	0.29	0.41	0.00	2.45
13-18	0	0	0	0	0	0	0	0	0	0	1	1	2	2	0	4	0	10
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.40	0.40	0.00	0.80	0.00	1.99
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.00	0.05	0.00	0.11
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL SPEEDS	34	22	17	8	12	8	10	14	19	32	72	67	57	34	40	57	0	503
(1)	6.76	4.37	3.38	1.59	2.39	1.59	1.99	2.78	3.78	6.36	14.31	13.32	11.33	6.76	7.95	11.33	0.00	100.00
(2)	0.39	0.25	0.19	0.09	0.14	0.09	0.11	0.16	0.22	0.37	0.82	0.77	0.65	0.39	0.46	0.65	0.00	5.75

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SEABROOK JAN25-DEC25 MET DATA JOINT FREQUENCY DISTRIBUTION (210-FOOT TOWER)

209.0 FT WIND DATA                      STABILITY CLASS ALL                      CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	2	0	0	0	0	2	0	2	1	1	1	0	1	1	1	1	0	13
(1)	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.15
(2)	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.15
C-3	32	40	26	54	29	34	50	33	25	42	30	34	18	32	28	31	0	538
(1)	0.37	0.46	0.30	0.62	0.33	0.39	0.57	0.38	0.29	0.48	0.34	0.39	0.21	0.37	0.32	0.35	0.00	6.15
(2)	0.37	0.46	0.30	0.62	0.33	0.39	0.57	0.38	0.29	0.48	0.34	0.39	0.21	0.37	0.32	0.35	0.00	6.15
4-7	100	68	70	101	104	137	135	96	114	140	163	154	136	135	140	108	0	1901
(1)	1.14	0.78	0.80	1.15	1.19	1.57	1.54	1.10	1.30	1.60	1.86	1.76	1.56	1.54	1.60	1.23	0.00	21.74
(2)	1.14	0.78	0.80	1.15	1.19	1.57	1.54	1.10	1.30	1.60	1.86	1.76	1.56	1.54	1.60	1.23	0.00	21.74
8-12	183	90	113	121	88	151	151	205	161	206	427	380	346	432	418	213	0	3685
(1)	2.09	1.03	1.29	1.38	1.01	1.73	1.73	2.34	1.84	2.36	4.88	4.35	3.96	4.94	4.78	2.44	0.00	42.14
(2)	2.09	1.03	1.29	1.38	1.01	1.73	1.73	2.34	1.84	2.36	4.88	4.35	3.96	4.94	4.78	2.44	0.00	42.14
13-18	44	21	70	57	47	20	38	113	23	32	178	251	279	315	346	70	0	1904
(1)	0.50	0.24	0.80	0.65	0.54	0.23	0.43	1.29	0.26	0.37	2.04	2.87	3.19	3.60	3.96	0.80	0.00	21.77
(2)	0.50	0.24	0.80	0.65	0.54	0.23	0.43	1.29	0.26	0.37	2.04	2.87	3.19	3.60	3.96	0.80	0.00	21.77
19-24	0	2	36	10	12	9	0	7	3	10	18	20	104	186	144	5	0	566
(1)	0.00	0.02	0.41	0.11	0.14	0.10	0.00	0.08	0.03	0.11	0.21	0.23	1.19	2.13	1.65	0.06	0.00	6.47
(2)	0.00	0.02	0.41	0.11	0.14	0.10	0.00	0.08	0.03	0.11	0.21	0.23	1.19	2.13	1.65	0.06	0.00	6.47
GT 24	0	0	12	0	15	7	0	0	1	0	0	0	29	33	41	0	0	138
(1)	0.00	0.00	0.14	0.00	0.17	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.33	0.38	0.47	0.00	0.00	1.58
(2)	0.00	0.00	0.14	0.00	0.17	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.33	0.38	0.47	0.00	0.00	1.58
ALL SPEEDS	361	221	327	343	295	360	374	456	328	431	817	839	913	1134	1118	428	0	8745
(1)	4.13	2.53	3.74	3.92	3.37	4.12	4.28	5.21	3.75	4.93	9.34	9.59	10.44	12.97	12.78	4.89	0.00	100.00
(2)	4.13	2.53	3.74	3.92	3.37	4.12	4.28	5.21	3.75	4.93	9.34	9.59	10.44	12.97	12.78	4.89	0.00	100.00

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